

National Coastal Data Development Center

Harmful Algal Blooms Observing System (HABSOS)

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10 June 2003



Organizational Structure

Department of Commerce

National Oceanic and Atmospheric Administration

National Environmental Satellite, Data, and Information Service

National Oceanographic Data Center

National Coastal Data Development Center



NCDDC MISSION

The National Coastal Data Development Center has the mission to simplify and provide the Nation with expanded, timely access to the best available coastal environmental data.



National Coastal Data Development Center Is Involved . . .

- Building partnerships
- Providing expanded Internet capabilities and services
- Improving identification of coastal data
- Expanding data access and retrieval
- Making coastal data more available



Partner Development

Develop inter-agency relationships to identify opportunities

- Enable coastal data sharing between data holders and users
 - Create/harvest metadata
 - Develop access to distributed data sources via gateways
 - Provide training and assistance
- Create tools & products that integrate partner's data
 - GIS tools
 - Consolidated, more user-friendly data sets



GOM HAB Programs/Projects - Recent History-

1989: EPA GMP Public Health Focus Team

1997: U.S. Interagency ECOHAB funds

Regional ECOHAB-FL program

1998: Texas Harmful Algal Bloom Strategy (TEXHABS)

1998: USEPA/GED, NRL, NOAA/NOS collaboration

to develop SeaWiFS application to HABS

1999: NOAA Coastwatch issues first HAB bulletin

2000: HABSOS Workshop – Pensacola Beach, FL

2001: HABSOS Pilot Project initiated

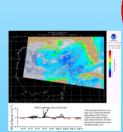
2002: Gulf of Mexico States Accord (St. Petersburg, FL)

2003: HABSOS Case Study Final Report (in prep)

2003: Binational Collaboration Workshop on Red Tide

Programs (New Orleans, LA)









Harmful Algal BloomS Observing System (HABSOS)

Multi-agency initiative to develop a virtual HAB communication and decision support system for GOM state resource managers

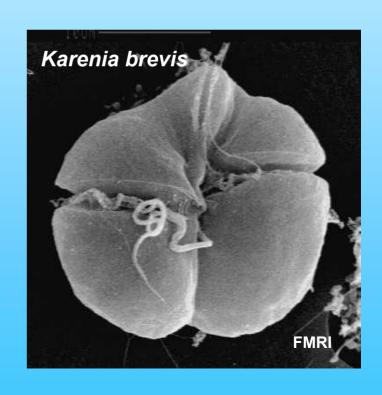
User-defined

HABSOS Goals:

Detection/early warning

Forecasting

Prediction





Voluntary . . . Unprecedented level of cooperation

Partner Organizations

- USEPA/GMP
- NAML/LABNET
- NOAA NCDDC, NOS, Coastwatch
- US-CGOOS
- CNMOC
- Alabama (DISL, ADCNR, ADPH, ADEM)
- Florida (FDACS, FFWCC/FRMI)
- Louisiana (LDEQ, LDHH, LUMCON, LSU)
- Mississippi (MDMR, MDEQ, USM)
- Texas (UTMSI, TDH, TPWD)

Other Contributors

- NAVOCEANO
- USFDA
- USCOE
- NRL
- SAML/CASTNET
- U. Colorado
- Texas A&M University
- USF/JSU
- Marathon Oil/CASE
- Planning Systems Inc.
- Neptune Sciences Inc.
- Anteon Corp.
- Veridian



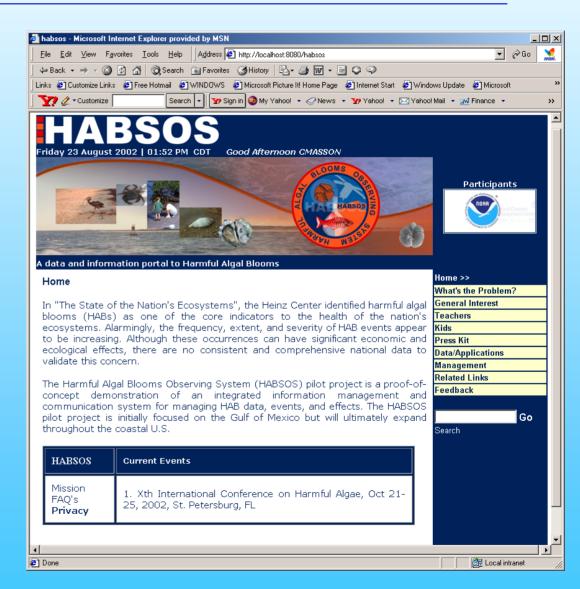
HABSOS User Requirements

- State managers make decisions regarding
 - Public health issues (fish/shellfish consumption, shellfish bed closures, beach advisories)
 - Aquaculture issues (sites, disease, mortality)
 - Economic issues (tourism, beach clean-up, monitoring, fisheries)
 - Dissemination of information to public
- State managers need, want and prefer synthesized data and information
- 24 h advance notice is high priority
 - An alert that an event is in progress
 - A forecast of where/when (movement, landfall)
 - An alert of conditions favorable for initiation



NCDCC Approach

- Connecting Partners through Interactive Web Collaboration
- Increasing Public Access to Coastal Data through Metadata Tools
- Connecting Users to Data
 Through Gateways
- Enhancing Coastal Data
 Viewing and Analysis

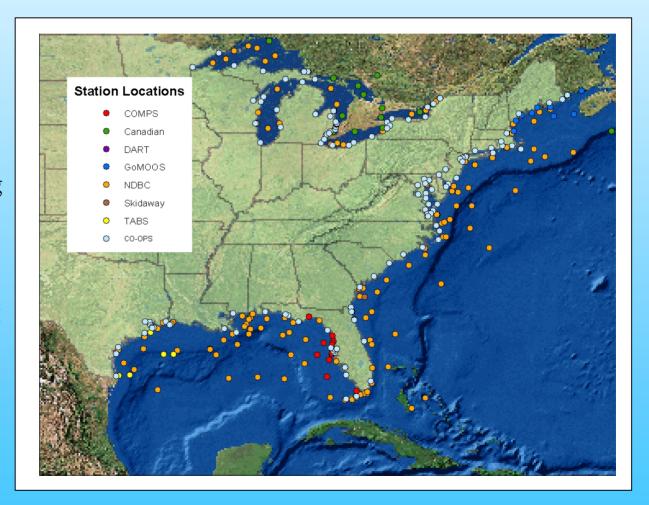




Integrated Ocean Observing System (IOOS)

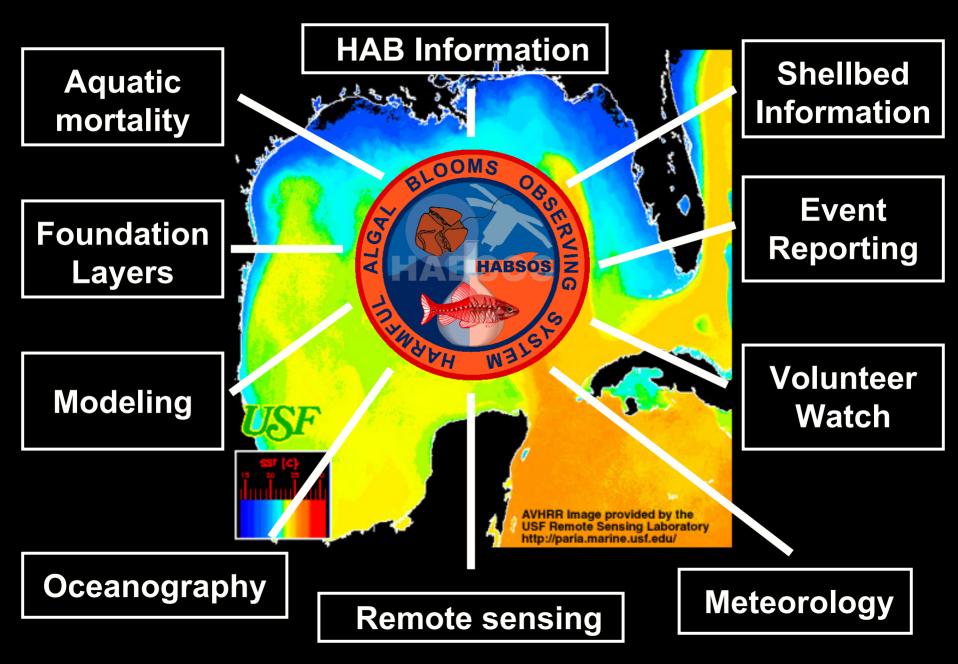
Providing the IT framework and connectivity for integration of Coastal Observing Systems

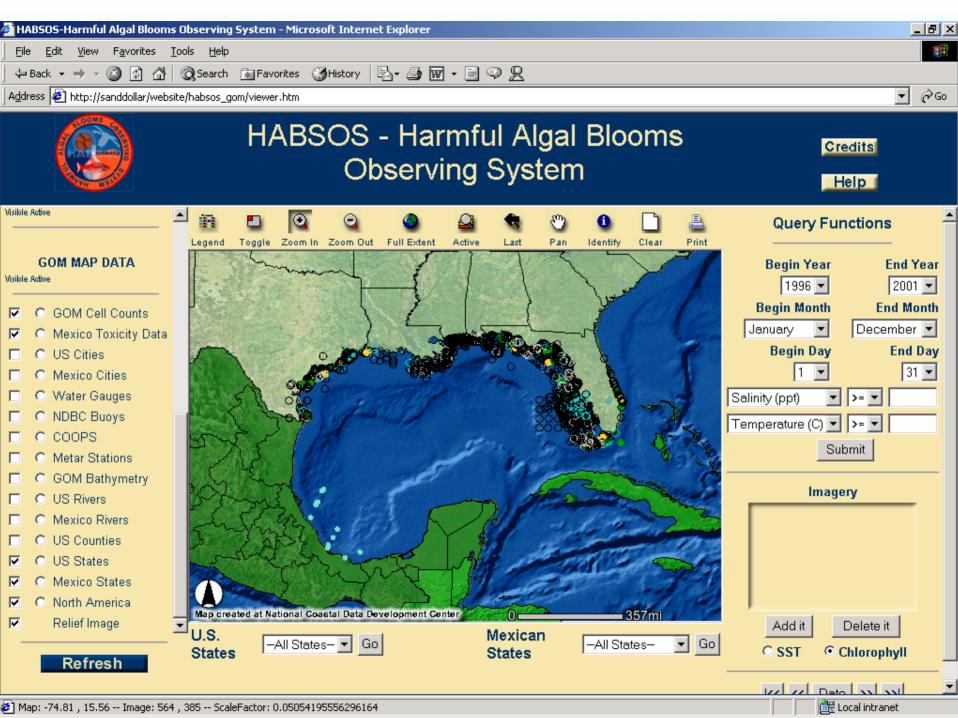
HABSOS is being considered as a major Gulf component of IOOS

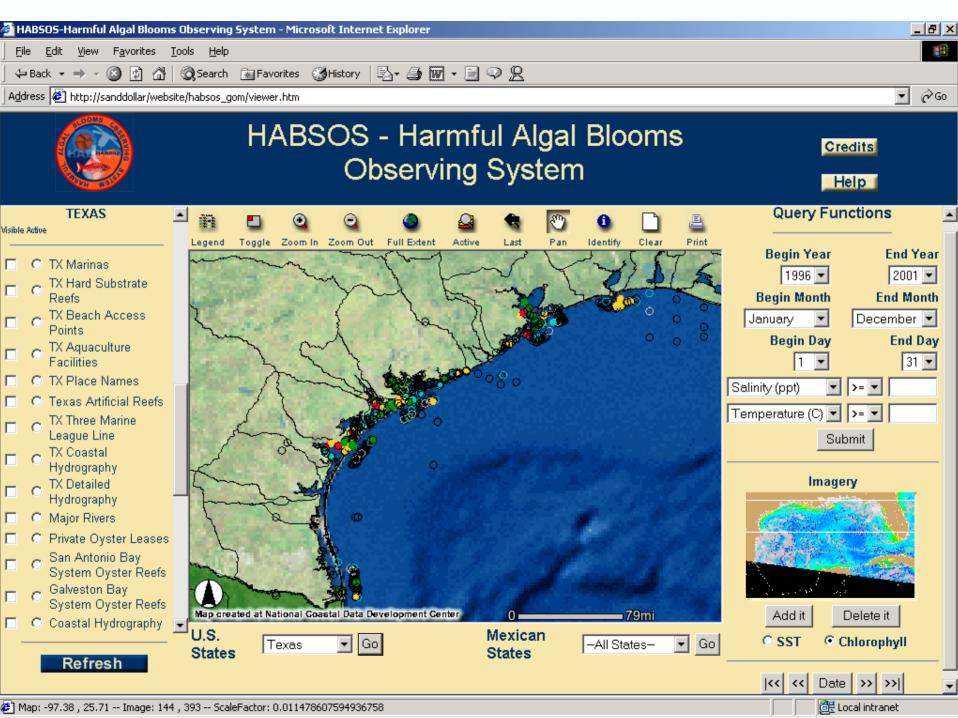




HABSOS Data Needs







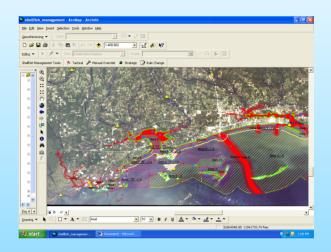


NOAA Satellites and Information



National Environmental Satellite, Data, and Information Service

HABSOS is developing online data management tools and/or leveraging existing applications



JSU NCDDC



NOAA NCDDC





EPA/FMRI





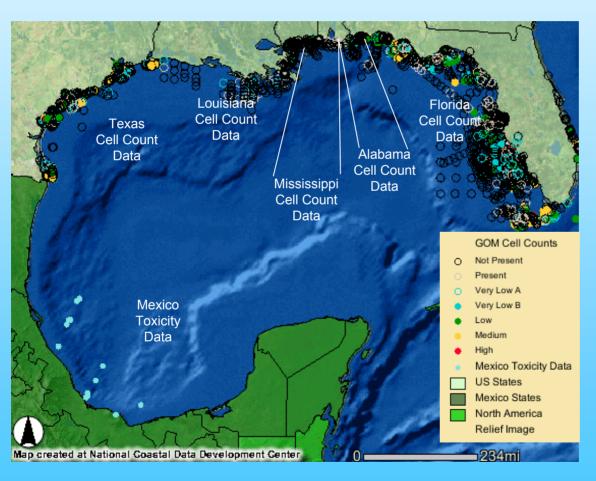


NOAA Satellites and Information



National Environmental Satellite, Data, and Information Service

HABSOS -- New International Partnership





Mexico Data:

Dr. Mauro Loyo Varela, Health Secretary and Director of Health Services of Veracruz

Dr. Jorge Nicolás Chantiri Pérez, Director of Sanitary Regulation and Protection

